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Substitute for form 1449/PTO FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/694,730
				Filing Date	October 29, 2003
				First Named Inventor	Hoang T. TRAN
				Art Unit	2117
				Examiner Name	Radosevich, Steven D.
Sheet	1	of	2	Attorney Docket Number	1875.4530000

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (If Known)			
	US1	4,627,070	12-02-1986	Champlin et al.	
	US2	4,833,605	05-23-1989	Terada et al.	
	US3	4,833,695	05-23-1989	Greub	
	US4	4,967,201	10-30-1990	Rich, III	
	US5	5,726,991	03-10-1998	Chen et al.	
	US6	5,793,990	08-11-1998	Jirgal et al.	
	US7	5,933,021	08-03-1999	Mohd	
	US8	6,081,570	06-27-2000	Ghuman et al.	
	US9	6,140,956	10-31-2000	Hillman et al.	
	US10	6,259,693	07-10-2001	Ganmukhi et al.	
	US11	6,137,734	12-24-2000	Schoner et al.	
	US12	6,317,804 B1	11-13-2001	Levy et al.	
	US13	6,438,717 B1	08-20-2002	Butler et al.	
	US14	6,483,849 B1	11-19-2002	Bray et al.	
	US15	7,032,139 B1	04-18-2006	Iryami et al.	
	US16	7,035,228 B2	04-25-2006	Baumer	
	US17	2001/0012288 A1	08-09-2001	Yu	
	US18	2001/0015664 A1	08-23-2001	Taniguchi	
	US19	2001/0021953 A1	09-13-2001	Nakashima	
	US20	2001/0017595 A1	08-30-2001	Cliff et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
	FP1					
	FP2					
	FP3					
	FP4					
	FP5					
	FP6					
	FP7					
	FP8					
	FP9					

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		Number-Kind Code ² (if Known)			
	US21	2002/0054569 A1	05-09-2002	Morkawa	
	US22	2003/0009307 A1	01-09-2003	Mejia et al.	
	US23	2003/0048781 A1	03-13-2003	Peirson	
	US24	2003/0120791 A1	06-26-2003	Weber et al.	
	US25	2003/0172332 A1	09-11-2003	Rearick et al.	
	US26	2004/0083077 A1	04-29-2004	Baumer et al.	
	US27	2004/0088443 A1	05-06-2004	Tran et al.	
	US28	2004/0141497 A1	07-22-2004	Amirichimeh et al.	
	US29	2004/0141531 A1	07-22-2004	Amirichimeh et al.	
	US30	2005/0190690 A1	09-01-2005	Tran	
	US31	2006/0250985 A1	11-09-2006	Baumer	
	US32				
	US33				
	US34				
	US35				
	US36				
	US37				
	US38				
	US39				
	US40				

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		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
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	FP11					
	FP12					
	FP13					
	FP14					
	FP15					
	FP16					
	FP17					
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NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
	NPL1	Copy of International Search Report Issued Dec. 14, 2004 for International Application No. PCT/US03/34234, 5 pages.	
	NPL2	Alaska Quad-Port Gigabit Ethernet Over Copper Transceivers, from http://www.marvell.com/products/transceivers/quadport/... , 1 page, printed May 8, 2007.	
	NPL3	Alaska X10 Gigabit Ethernet Alaska Gigabit Ethernet Fast Ethernet Physical Layer (PHY) Transceiver Families Provide a Full Range of Ethernet Transceiver Solutions for the Broadband Communications Industry, from http://www.nuhorizons.com/FeaturedProducts/Volume3/Marvell/phy_transceiver.asp , 4 pages, Copyright 2007, printed May 8, 2007.	
	NPL4	Cisco Search: Results for "cdl" within "News@Cisco", from http://www.cisco.com/cgi-bin/search/search.pl , Copyright 1992-2003, printed July 29, 2003.	
	NPL5	Industry Breakthrough: Marvell Announces the First Quad-Port Transceiver to Support Both Copper and Fiber-Optic Gigabit Ethernet Interfaces, from Business Wire at www.encyclopedia.com/printable.aspx?id=1G1:68912211 , 4 pages, January 9, 2001, printed May 8, 2007.	
	NPL6	David Maliniak (ed.), Bel's integrated connector modules support Marvell's Alaska quad Gigabit Ethernet transceiver, from http://www.electronicweb.com/Content/news/... , 1 page, December 14, 2000, printed May 8, 2007.	
	NPL7	Marvell Gets Small, from http://www.lightreading.com/document.asp?doc_id=12004&print=true , 1 page, February 19, 2002, printed May 8, 2007.	
	NPL8	Marvell Introduces the Industry's Smallest Quad-Port Gigabit Transceiver Device, Enabling Ultra High Port Density Enterprise Switching Systems, from http://www.marvell.com/press/pressNewsDisplay.do?releaseID=41 , 3 pages, February 19, 2002, printed May 8, 2007.	
	NPL9	Ed Turner, David Law, Sep. 17-19, 2001, "IEEE P802.3ae MDC/MDIO", http://www.ieee802.org/3/efm/public/sep01/turner.sub.-1.sub.-0901.pdf (copy attached).	
	NPL10	Q&A: Hiroshi Suzuki on Extending Ethernet Beyond the LAN, from http://newsroom.cisco.com/dlls/innovators/optical/hiroshi_suzuki_qa.html , 3 pages, Copyright 1992-2003, printed July 29, 2003.	

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Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume number, publisher, city and/or country where published	T ²
	NPL11	IEEE Std. 802.3, Part 3: Carrier Sense Multiple Access with Collision Detection (CSMA/CD) access method and physical layer specifications, Section Two, pp. 9-55, Copyright 2002.	
	NPL12	IEEE Std. 802.3, Part 3: Carrier Sense Multiple Access with Collision Detection (CSMA/CD) access method and physical layer specifications, Section Four, pp. 9-152, Copyright 2005.	
	NPL13	Cisco Systems, Hiroshi Suzuki: Taking Ethernet Beyond the LAN, http://newsroom.cisco.com/dlls/innovators/optical/hiroshi_suzuki_profile.html	
	NPL14	Cisco Systems, Q&A: Hiroshi Suzuki on Extending Ethernet Beyond the LAN, http://newsroom.cisco.com/dlls/innovators/optical/hiroshi_suzuki_qa.html	
	NPL15	Cisco Systems, Innovators Profiles, http://newsroom.cisco.com/dlls/innovators/inn_profiles.html	
	NPL16	Cisco Systems, Optical, http://newsroom.cisco.com/dlls/innovatros/optical/	
	NPL17	Cisco Systems, Cisco Systems ad Aretae Interactive Launch Internet Powered Property (IP2), http://newroom.cisco.com/dlls/global/asiapac/news/2000/pr_07-25.html .	
	NPL18		
	NPL19		
	NPL20		

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